



Australian Government

AHCLSK341 Coordinate artificial insemination and fertility management of livestock

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to coordinate artificial insemination (AI) and fertility management of livestock, including preparing for and facilitating AI, and carrying out post AI procedures.

The unit applies to individuals who coordinate AI and fertility management of livestock under broad direction, and take responsibility for their own work.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, animal welfare legislative, regulatory and codes of practice requirements, and sustainability and biosecurity practices.

Accreditation requirements apply in some jurisdictions to performing commercial AI. Users are advised to check with the relevant State or Territory regulatory authority.

Pre-requisite Unit

Nil

Unit Sector

Livestock (LSK)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare animals for artificial insemination	1.1 Identify potential hazards and risks, and implement safe working practices to address risks and biosecurity hazards 1.2 Select, fit, use and maintain personal protective equipment

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	applicable to task 1.3 Assess average body condition of female livestock 1.4 Provide advice on nutritional requirements to facilitate optimum condition at the time of artificial insemination as required 1.5 Confirm females are not pregnant before commencing the artificial insemination program
2. Facilitate artificial insemination	2.1 Carry out oestrus inducement and detection procedures according to animal welfare procedures and industry standards 2.2 Prepare artificial insemination equipment and facilities, including artificial insemination tank and semen 2.3 Use handling techniques that minimise stress and discomfort to livestock according to workplace health and safety and animal welfare practices 2.4 Apply hygiene procedures to minimise risk of infection
3. Carry out post artificial insemination procedures	3.1 Maintain female livestock on appropriate nutrition and husbandry management 3.2 Monitor female livestock for signs of early abortion or return to oestrus 3.3 Apply pregnancy detection techniques and identify pregnancy status of animals 3.4 Complete required artificial insemination and pregnancy status records

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Writing	Use clear language, accurate industry terminology and logical structure to prepare AI and pregnancy status records

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSK341 Coordinate artificial insemination and fertility management of livestock	AHCLSK312 Coordinate artificial insemination and fertility management of livestock	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

Links

- <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSK341 Coordinate artificial insemination and fertility management of livestock

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has coordinated artificial insemination and fertility management of livestock on at least two occasions and has:

- prepared females for insemination
- followed relevant workplace health and safety and environmental and biosecurity legislation, regulations, and workplace procedures
- followed workplace animal welfare practices
- cleaned equipment and prepared hygienic worksite prior to insemination procedures
- monitored livestock post insemination
- detected signs of early abortion or return to oestrus
- coordinated and recorded the results of pregnancy testing.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for coordinating artificial insemination and fertility management of livestock, including appropriate use of personal protective equipment (PPE)
- environment and biosecurity legislation and regulations and workplace practices relevant to coordinating artificial insemination and fertility management of livestock
- principles and practices of artificial insemination and fertility management of livestock, including:
 - body condition scoring
 - husbandry and management practices for pregnant and non-pregnant female livestock
 - anatomy and physiology of female livestock
 - reproductive physiology and pregnancy development of female livestock

- requirements and procedures of artificial insemination
- reproductive diseases and complications in female livestock
- animal welfare legislation, codes of practice and procedures relevant to artificial insemination of livestock.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to coordinating artificial insemination and fertility management of livestock
 - female livestock
 - materials, tools and equipment applicable to coordinating artificial insemination and fertility management of livestock
 - PPE applicable to coordinating artificial insemination and fertility management of livestock
- specifications:
 - workplace requirements applicable to health and safety in the workplace for coordinating AI and fertility management of livestock
 - environment and biosecurity legislation and regulations and workplace practices applicable to coordinating artificial insemination and fertility management of livestock
 - industry standards, legislation and codes of practice and procedures for animal welfare applicable to coordinating artificial insemination and fertility management of livestock
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>